

# Merz Pharmaceuticals, LLC

## MATERIAL SAFETY DATA SHEET

NFPA Rating

Health 1

Flammability 3

Reactivity 0

Special 0

### TELEPHONE CONTACTS

Phone: (336) 856-2003

## SECTION 1: PRODUCT IDENTIFICATION

**Compound Name:** NAFTIN® Gel (1% Naftifine Hydrochloride)  
**Product Type:** Prescription Antifungal  
**Distributor's Name:** Merz Pharmaceuticals, LLC  
**Address:** 4215 Tudor Lane  
Greensboro, NC 27410  
**Preparation Date:** February 10, 2003

## SECTION 2: COMPOSITION/HAZARDOUS INGREDIENT INFORMATION

Chemical Name	CAS Number	Percent (By Weight)	Exposure Limits in Air	
			OSHA PEL	ACGIH TLV
Ethyl Alcohol	64-17-5	52%	1000 ppm	1880 mg/m <sup>3</sup>

## SECTION 3: HAZARDS IDENTIFICATION

**Emergency Overview:** NAFTIN® Gel may cause moderate to severe irritation to eyes. Do not allow contact with eyes. Product is flammable. Keep away from flames or other ignition sources.

### Potential Health Effects:

**Eye Contact:** Contact with the eyes may result in moderate to severe irritation.  
**Skin Contact:** Prolonged contact with skin may result in mild to moderate irritation.  
**Inhalation:** Not likely to occur under normal conditions of use.  
**Ingestion:** May cause irritation, nausea and vomiting if swallowed.  
**Chronic Effects:** None known.

## SECTION 4: FIRST AID MEASURES

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, if irritation persists, obtain medical attention.  
**Skin Contact:** If irritation develops, wash skin thoroughly with soap and water and contact a healthcare professional.  
**Inhalation:** Not likely to occur under normal conditions of use.  
**Ingestion:** Contact a healthcare professional or poison control center immediately.

## SECTION 5: FIRE FIGHTING MEASURES

**Flash Point and Method:** 77°F (Seta Flash Cup)  
**Flammable Limits:** Not determined  
**Auto ignition Temperature:** 870°F  
**Fire-Extinguishing Materials:** Use extinguishing media suitable for materials supporting combustion such as water fog, CO<sub>2</sub>, foam, or dry chemical.  
**Fire Fighting Procedures:** Use self-contained breathing apparatus in enclosed or confined spaces or as otherwise needed.  
**Unusual Fire and Explosion Hazards:** Product is flammable. Keep away from flames or other ignition sources

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Sweep up or take up with absorbent material and wash with water. If large quantities are spilled, flush spill area with water.

## SECTION 7: HANDLING AND STORAGE

**Handling:** Avoid unintentional contact with skin surfaces. Do not allow contact with eyes. Wash thoroughly after handling. Observe all labeling precautions.

**Storage:** Store in a cool (below 30°C), dry location out of direct sunlight. Keep container closed when not in use.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls:** None necessary for normal product handling.

**Respiratory Protection:** None necessary for normal product handling.

**Eye Protection:** None necessary for normal product handling. Avoid eye contact.

**Protective Clothing:** None necessary for normal product handling. Persons repeatedly applying the product to others should wear gloves when handling NAFTIN® Gel.

**Hygienic Work Practices:** Wash hands thoroughly after handling. No eating, drinking, or smoking in area.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Vapor Density (Air = 1):** No data on this product

**Boiling Point:** 80°C (Ethyl Alcohol)

**Solubility in water:** Dispersible

**Specific Gravity:** No data on this product

**pH:** No data on this product

**Vapor Pressure (mm of Hg at 20EC):** 30 mm @ 25°C (Ethyl Alcohol)

**Appearance and Odor:** Hydro-alcohol based gel.

## SECTION 10: STABILITY AND REACTIVITY

**General:** This product is stable and hazardous polymerization will not occur.

**Incompatible Materials & Conditions to Avoid:** Store away from oxidizers and heat. Store below 30°C.

**Hazardous Decomposition:** Carbon Dioxide and or Carbon Monoxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Oral:** The oral LD<sub>50</sub> for NAFTIN® Gel, based on its alcohol content, can be calculated to be between 7.06 and 10.6 g/Kg when tested in rats.

**Skin:** During clinical trials the evidence of adverse reactions was as follows: burning/stinging (5.0%), itching (1.0%), erythema (0.5%), rash (0.5%), and skin tenderness (0.5%).

**Ocular:** NAFTIN® Gel, based on its alcohol content, may result in moderate to severe irritation to eyes.

**Sensitization:** NAFTIN® Gel is contraindicated in individuals who have shown hypersensitivity to any of its components.

**Reproduction:** Reproduction studies have been performed in rats and rabbits, via oral administration, at doses 150 times or more than the topical human dosage and have revealed no evidence of impaired fertility or harm to the fetus.

**Carcinogenic/Mutagenic:** In Vitro and animal studies have not demonstrated any mutagenic effect or effect on fertility.

## SECTION 12: ECOLOGICAL INFORMATION

**Persistence and Degradability:** Readily and rapidly degradable.  
**Aquatic Toxicity:** No data available on this product.

## SECTION 13: DISPOSAL CONSIDERATIONS

For small amounts of NAFTIN® Gel, discard as ordinary trash. For large quantities, contact Merz Pharmaceuticals, LLC for information on disposal options.

## SECTION 14: TRANSPORT INFORMATION

ID 8000 Consumer Commodity, containing flammable solution ORM-D.  
UN 1993 Flammable Liquid N.O.S. (Ethyl Alcohol Solution), Class 3, Pkg Group III.

## SECTION 15: REGULATORY INFORMATION

**TSCA (Toxic Substances Control Act):**

Components of this product are listed on the TSCA Inventory.

**CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):**

This product contains no components subject to reporting or notification requirements.

**SARA Title III (Superfund Amendments and Reauthorization Act):**

311/312 Hazard Categories: Immediate Health, Fire

313 Reportable Ingredients: None

**California Proposition 65:**

This product contains no components known to the State of California to cause cancer or reproductive effects.

**WHMIS (Workplace Hazardous Materials Information System - Canada):**

Not regulated.

## SECTION 16: OTHER INFORMATION

**Revision Summary:** November 6, 2002; Supercedes May 13, 1999

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